

REMARKS

Claims 1-16 are pending in the present application. Claims 2-3, 12 and 14 are objected to for containing allowable subject matter, but being dependent upon a rejected base claims. Claims 1, 4-11, 13 and 15-16 have been rejected. Reconsideration in view of the following arguments is kindly requested.

Examiner Interview

Applicants thank the Examiner for the courtesy extended during the telephonic interview conducted on November 30, 2004. During the interview, Applicants argued that reference WO 98/10538 to LeBlanc does not disclose all of the features recited in claims 1, 10 and 13. Regarding claim 13, Applicants asserted that LeBlanc fails to teach searching for a new multipath component over a dynamic acquisition search window having a time width which increases in proportion to a length of time during which no multipath component is detected, as recited in claim 13. The Examiner disagreed, and asserted that LeBlanc supported all of the claim features recited in claim 13. Similarly, Applicants argued that claim 1 distinguishes over LeBlanc, and includes defining a dynamic acquisition search window having a time width which increases in proportion to a time duration of the inactive period. Applicants asserted that the search window size disclosed in LeBlanc is used to identify further pilots, and although LeBlanc discloses extending the search window size, Applicants disagree that the search window disclosed in LeBlanc is comparable to a search window which increases in proportion to a time duration of an inactive period, as recited in claim 1. Regarding claim 10, the Examiner stated that claim 10 may contain allowable subject matter.

The above description, which is believed to satisfy the requirements of MPEP 713.04, is intended as an explanation only, and is not intended to limit the invention defined by the claims of

the present application. In addition, the following remarks reflect (among other things) the various points discussed during the interview.

Drawings

The Examiner has objected to FIG. 6 for failing to illustrate an X axis to indicate the invention. Applicants disagree with the Examiner's objection, and submit that FIG. 6 is a schematic illustration of how the acquisition search window may widen according to the present invention. Applicants submit that the initial acquisition search window 500 is illustrated with a starting point at W_{os} . The width and location of the initial acquisition search window 500 is based on the standard base search window used just before the mobile terminal enters the inactive period. Please see pages 10 and 11 of the detailed description.

Accordingly, Applicants submit that FIG. 6 does not require an X axis. Withdrawal of this objection is kindly requested.

Claim Objections

The Examiner has objected to claims 1-12 and 14-16 for containing minor claim language informalities. In accordance with the Examiner's suggestions, Applicants have amended claims 1-2, 4-5, 10, 12 and 14. Applicants submit that these claim amendments are made solely for clarification purposes, and in no way relate to the patentability of these claims. Accordingly, Applicants submit that these objections be withdrawn.

Claim Rejections – 35 U.S.C. § 102

Claims 1, 4-6, 8, 10, 13 and 16 are rejected under 35 U.S.C. § 102(b) as being anticipated by LeBlanc et al (WO 98/10538). This rejection is respectfully traversed.

Claim 13 recites, upon loss of a multipath component, searching for a new multipath component over a dynamic acquisition search window having a time width which increases in proportion to a length of time during which no multipath component is detected. The Examiner alleges that page 26, lines 3-7 of LeBlanc teach the claimed invention. Applicants disagree with the Examiner's interpretation of LeBlanc. On page 26, lines 3-7, LeBlanc discloses:

The ANSI standards J-008 and IS-95 provide several means for the base station 122 to establish and extend the search window size that the mobile 140 should use in its scanning process, and to identify further pilots. For location purposes, either existing standard parameters can be extended, or a location message request from the Base station can inform the searcher receiver of the mobile station to extend its search range, as necessary, to capture all relevant base station pilots and their multipath fingers, in order to complete the location measurement sample.

Applicants submit that nowhere in the above cited portion does LeBlanc teach increasing the width of a search window in proportion to a length of time during which no multipath component is detected, as recited in claim 13.

LeBlanc further discloses a search window table size for a various search window values being increased to accommodate new pilot channel PN-offsets associated with location base stations and mobile base stations (see page 26, lines 8-19 of LeBlanc). Some examples of standard parameters may include, for example, using the In-traffic System Parameter Message, and the values SRCH_WIN_A, SRCH_WIN_N and SRCH_WIN_R can be used to cause the searcher receiver to increase its search area to detect and thus measure as many pilots as can be detected in the area. Applicants submit that extending a search list of a search window to provide searching for pilots of neighboring base stations as disclosed in LeBlanc, is not the same as increasing the width of the search window in proportion to a length of time during which no multipath component is detected, as recited in claim 13.

Regarding claim 1, Applicants submit that for similar reasons as stated above with regard to claim 13, that claim 1 is allowable over the prior art.

Claims 4-6, 8 and 16, dependent on claim 1, are patentable for the reasons stated above with respect to claim 1 as well as on their own merits.

Related to the discussion above with respect to claims 1 and 13, and as tentatively agreed during the Examiner Interview, LeBlanc does not disclose or suggest "until the second packet data multipath component is detected, expanding the width of the acquisition search window in proportion to a period of time elapsed since loss of the first packet data multipath component and searching for the second packet data multipath component across the width of the expanded acquisitions search window," as recited in claim 10.

Applicants respectfully request that the Examiner withdraw this art grounds of rejection.

Claims 7 and 9 are rejected under 35 U.S.C. § 103(a) as being unpatentable over LeBlanc in view of Bloebaum (USP 6,188,351), and claims 11 and 15 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over LeBlanc in view of McGuffin (USP 4,217,586). These rejections are respectfully traversed.

Applicants submit that claims 7, 9, 11 and 15, by virtue of their dependency on one of independent claims 1, 11 and 13, are distinguished over LeBlanc for at least the reasons stated above. Applicants submit that after a cursory review of the additional references Bloebaum and McGuffin, that neither of these references disclose the claim limitations of claims 7, 9, 11 or 15, or render them obvious. Withdrawal of the rejection to these claims is kindly requested.

CONCLUSION

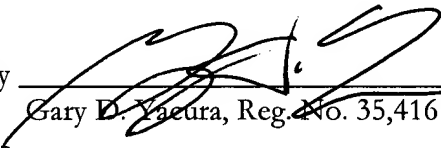
Accordingly, in view of the above remarks, reconsideration of the objections and rejections and allowance of each of claims 1-16 in connection with the present application is earnestly solicited.

Should there be any outstanding matters that need to be resolved in the present application, the Examiner is respectfully requested to contact Gary D. Yacura at the telephone number of the undersigned below.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

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By 
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